

TECHNICAL DATA SHEET

Eco-One® EG45

Product Overview

Eco-One® EG45

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Eco-One® EG45 is a masterbatch consisting of a proprietary blend of organic compounds and a carrier resin that is designed to enhance biodegradation in polypropylene based plastics in microbe-rich landfills when used as per the recommended guidelines.

Applications

Eco-One® EG45 can be added to all flexible, semi-rigid and rigid applications. Not intended for clear injection molding applications.

Properties

Properties:**Appearance:** Free flowing pellets**Color:** white to off-white**Carrier:** Polypropylene**Recommended use level:** 0.7% - 5%, Target 1.0%**Composition (Component / CAS Number / OSHA PEL / ACGIH PEL / Wt %):**

Polyolefin / mixture / none established / none established / 100

Recommended Procedure Eco-One Addition

Packaging and Loading Into Extruder:

- Eco-One is designed to be added as a minor component in a multicomponent resin blending system. Simply add Eco-One as one would add a colorant.
- To achieve 1% load weight ratio: 1 kg (1 lb) of Eco-One® is added to 99 kg (lb) of base resin to make 100 kg (100 lb) batch
- Reseal package containing remaining Eco-One® product and store per instructions under Storage & Handling.

Extrusion Conditions:

- There is no need to adjust the extrusion temperature profile while running with Eco-One.
- Melt temperatures should not exceed 329 Celsius (625 °F) for an extended period of time.
- Eco-One® is slightly hygroscopic (attracts water) - this should not cause any problems.

Food Contact Approval

Eco-One® EG45 is 100% organic and is comprised of non-toxic raw materials that are independently approved for direct contact with food.

Storage & Handling

Eco-One® EG45 is typically packaged in 25 kg / 55 lb bags and in a 500-700 kg corrugated Gaylord.

Eco-One® EG45 should be stored in accordance with good manufacturing practices. Product should be stored in a cool, dry area in a closed container. Do not let the product get wet. Reseal the product container at the end of each use in accordance with standard storage practices.

EcoLogic recommends that inventories are rotated and used within six (6) months of purchase for optimum performance.

No smoking, open flames or sources of ignition in handling and storage area. Good housekeeping and controlling of dusts are necessary for safe handling of product. When appropriate, unique handling information for containers can be found on the product label.

Company Identification

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